## Home Course In Live Stock Farming

III. -Live Stock Farming and Soil Fertility.

By C. V. GREGORY, Author of "Home Course In Modern Agriculture," "Making Money on the farm," Etc.

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THEREVER grain is grown continuously for a number of years the soil decreases in yielding power. If the practice is kept up the yields will finally become so low as to be unprofitable, and the land is said to be worn out. The fact is it is not worn out any more than a sickle is worn out when it becomes too dull to cut. Both the sickle and the soil need a certain amount of treatment before they are in shape to use again.

In the case of the soil nature will restore it to its original productivity



FIG. V.-HOW FERTILITY IS WASTED.

if given time. Crops of weeds will spring up, make a considerable growth and die down and rot. In the course of a few years the humus supply will be renewed, locked up elements of fertility will become available, and the field will again produce profitable

crops. If rotation is practiced so as to even up the demands on the soil, with clover or some other legume to gather nitrogen from the air, the soil will continue productive for a much longer time. Even then it will not keep on yielding profitable crops always. Commercial fertilizers may help to stave off the day of reckoning, but after the farmer has contributed hundreds of dollars to the pockets of the fertilizer manufacturer he will find that even this method of maintaining fertility cannot be depended upon.

## Keeping the Soil Productive.

There are three factors on which the productivity of the soil primarily depends-the amount of available mineral plant food elements which it contains, its physical condition and the amount of moisture it will hold. Nitrogen, one of the three most important chemical elements in the soil, can be obtained from the air in unlimited quantities by the use of legumes, such as clover and alfalfa. The other two, phosphorus and potassium, are present in most soils in fairly large quantities, although much of the supply is in unavailable form. Good tillage and well planned rotations do much to make these elements available. When the total supply becomes low it can be renewed by the application of fertilizers. This is all, however, that fertilizers will do. They will not improve the physical condition of the soil nor increase its moisture holding capacity.

The use of liberal amounts of clover incthe rotation will add to the humus supply of the soil and so increase its moisture holding capacity. Humus acts like a sponge, forming a storehouse for water that would otherwise be wasted. Humus also improves the physical condition of the soil, making it lighter and mellower. Take a panful of clay and a panful of rich black surface soil, wet them thoroughly and place them in the sun. 'When the clay is dry it will be baked almost as hard as a brick, while a little stirring will make the black dirt as mellow as ever. This difference in the two soils is due solely to humus.

The humus supply cannot be maintained by the use of clover unless a crop is plowed under at frequent intervals. It takes considerable time for this clover to rot enough to form humus, and the turning under of so large an amount of green matter at once is liable to make the land "sour." This condition can be corrected by the use of lime, but this means trouble and expense

## The Value of Manure.

The only way to keep the soil in the highest possible state of productivity is to keep live stock and apply the manure to the land. Barnyard manure adds large amounts of the elements of fertility to the soll. An average of 80 per cent of the nitrogen, phosphorus and potassium in the food eaten is passed out in the manure. This percentage is highest in fattening animals and lowest in young stock. The ele-

ments of fertility removed when grain is sold as compared with those removed by live stock are strikingly shows in the following table. The prices of the elements are figured at the approx | heads that ever engaged in the busiimate rate that would have to be paid if they were purchased in the form imate yield of one acre is given in each

э	COMO		
ł		Value of	the!
l		nitrosen	
ă	Kind of crop.	DESCRIPTION OF THE	
i	Corn-	SHIRE CHAINS	
1	Grain, 75 bushels		
d	Stover, two tons		
ı	Section 100 per contraction		on manual
ı	Total		L.E.R.
ı	Oats		
١	Grain, 50 bushels		
Į	Straw, 152 tons	***********	4.8
	Total		20.2
Į	Wheat- Grain, 25 bushels		
ì			\$5.12
ð	Straw, 1 ton		2.10
١	Total		\$1.32
١	Timothy, 2 tons		\$10.44
۱	Potatoes, 300 bushels		16.41
۱	Fat cattle, 1.000 pounds.		4.6
ı	Fat hogs, 1,000 pounds		3.11
1	Milk, 19,000 pounds		10.11
۱	Butter, 500 pounds		33
а	Design the Control of	THE PERSON NAMED IN COLUMN	A145.00

This table shows at a glance the great economy, considered from a fer tility standpoint, of marketing grain in the form of live stock. Adding fer-tilizing materials to the soil, however, is only one of the ways in which manure is beneficial. It helps to break down the unavailable minerals. It adds humus, and this is of a kind that mixes readily with the soil. Thus the physical condition and water holding capacity of the soil are improved even more than where clover is used. In stead of plowing under clover it can be fed. The resulting manure will do the soil almost as much good as the clover would if turned under. Thus both the feeding and fertilizing values are obtained from it. By using a regular rotation with clover and feeding sit the rough feed and most of the grain on the farm the soil can be brought up to a very high state of productivity and kept there for an indefinite period

In an experiment at the Ohlo experiment station where manure was applied every three years to a rotation of corn, wheat and clover at the rate of eight tons to the acre the average increase in yield was 14.7 bushels of corn, 8.36 bushels of wheat and 680 pounds of clover. The value of the increased yields due to the eight tons of manure was \$17.32, or \$2.17 per ton for the manure. This was for manure that was obtained in the open yard. Manure that had been tramped down in sheds where it was under shelter had a value of \$2.95 per ton in increas ed crop yields.

The results obtained on a little run down farm in Pennsylvania strikingly show what can be done with manure This farm was so badly exhausted that it would produce scarcely any thing. Dairying was introduced and the manure applied to the land. After a few years of such treatment and without the addition of any commercial fertilizers whatever the productivity of the farm was so greatly increased that an annual revenue of \$200 to the acre was received from it.

The effect of manure continues for a great many years after its application. Experiments with manured and unmanured land have shown that the yield in the manured plots was considerably greater twenty years after the last application of manure was made.

## Applying Manure.

The best results are obtained, however, when manure is applied frequently and in comparatively small amounts. For the ordinary field crops an application of eight tons to the acre is sufficient at one time. To get the required amount on each acre and to get it applied evenly a spreader is a necessity. Manure spread evenly over the ground is much more effective than that thrown about in



FIG. VI .- MANURE PILES IN OPEN YAND. large chunks, as is usually done, with a pitchfork. Still worse is the practice of thropping the manure in piles, leaving it nearly all winter and then toward spring scattering it about with a fork. In addition to spreading the manure more evenly, the spreader saves work enough to warrant any one who has much stock in buying

The spreader should be kept in une practically the year round. Manure left in the open yard for six months loses nearly half its fertilizing value. Manure kept in slieds does not lose in value nearly so rapidly. A practice that is sometimes followed on dairy farms is to have a shed in connection with the barn, keeping the cows in this shed most of the time, turning them Into the barn only long enough to be milked. A plan that is preferable to this is to have a small shed over the door where the manure is thrown out. The spreader can be backed into this shed and the manure loaded directly on to it at seasons of the year when manure can be spread directly upon the fields. At other times the manure can be thrown out into the shed and

left there until it can be bauled.

The Elephant's Revenge In the autobiography of Mr. Lindley Murray a passage occurs from which it appears that one of the clearest ness of analysis was well nigh cracked

by a simple agent for a small offense. of commercial fertifizers. The approx In the year 1771 be visited the elephants at the queen's palace and, from whatever motive, ventured to withdraw a portion of the hay which one of them had been collecting with his probuscis on the floor. The flice affront offended the sagnetous animal highly. The keeper remarked that he would never forget, and it was obvious from the rapid convolutions of his trunk that he only wanted an opportunity to avenge the misappropriation of his property on the spot. The grammarian, however, kept out of his way, probably thinking no more of the matter, until he chanced to revisit the same place after an interval of several weeks. On this occasion a number of other persons were present, but of the whole the elephant singled out his enemy and aimed a desperate blow at his head, which, fortunately, neither prov-

ed fatal nor took effect. Made His Ideas Flow. I used to write for a medical periodical. On returning home one day after a very beavy day's work at the hospital and feeling completely exhausted I found a note from the editor. "Please let me bave an article on such and such a subject tonight." I sat down with pen and paper before me, but not a word could I write. Then I lay back lazily and began to speculate as to the cause of my want of ideas. I thought: "The brain is the same as it was yesterday, but yesterday I was not tired. Perhaps it is the feebler circulation that prevents the brain from acting. If the blood does not go up to the brain I may bring the brain down to the blood." I therefore placed my head flat on the table, looking sideways at the paper, and began to write easily. On raising my head again every idea fied, so I placed my head again down on the table and finished the article with my nead in that

position.-Sir T. Lauder Brunton in Work of the Earthworm. When we behold a wate, turf covered expanse we should remember that its smoothness, on which so much of its beauty depends, is mainly due to all the inequalities having been slowly leveled by worms. It is a marvelous reflection that the whole of the superficial mold over any such expanse has passed and will pass again every few years through the bottles of worms. The plow is one of the most ancient and most valuable of man's inventions. but long before he existed the land was, in fact, regularly prowed by earthworms. It may be doubted whether there are many other animals which have played so important a part in the history of the world as laive these lowly organized creatures. Some other animals, however, still more lowly organized-namely, corats-have done far more conspicuous work in having constructed innumerable reets and islands in the great oceans, but these are atmost confined to the tropical zones.

## Not Literary.

"The late Frederick Burton was the world's foremost authority on the merican Indian," said a Yale eth gist. "Burton was almost alone in his field. There are, you know, so few students of Indian lore.

"He said to me once, with a vexed laugh, that he found it quite as impossible to discuss the Indian with people as a Boston critic found it to discuss poetry with the girl be took down to

"The girl was very pretty. Leaning her dimpled elbows on the table, she said to the critic:

"And what is your lecture to be about, professor?" "'I shall lecture on Keats,' be replæd.

"'Oh, professor,' she gushed, 'what are keats?" - Washington Star.

## Tarring and Feathering.

The first recorded instance of tarring and feathering a buman being was in 1189, during the time of the crusades. In that year, the brst of the reign of Richard L. a law was passed that any robber voyaging with the crusaders shall be first shaved, then hot pitch shall be poured upon him and a cushion of feathers shook over him." After this the criminal was to be put ashore at the first landing place the ship reached.

What Might Have Been. "That man fillin meks courage and

energy." "Yes, confound him."

"Why do you say that?" "Recause he was courting my wife long before I met her. It he bad bad a little more courage and energy- But what's the use of talking about it

## Well He Knew.

Emperor Francis of Austria and bis empress once attended the performance of a play which abounded in political allusions. On leaving the theater he remarked good mainredly, "We may congratulate ourselves on having seen the piece at all, for I am sure that it will be speedily forbidden."

His Time Wasn't. "Time is money."

"Cut that the out."

"Why do you can it a"-"Say, I've just done ten years in the

penitentiary and come out busted!"-Cleveland Leader.

Knowledge, in truth, is the great sun in the firmament. Life and power are scattered with its beams.—Webster.

#### Notice of Special Assessment No. 16 for the Sprinkling of District No. 3.

for the Sprinkling of District No 3.

To J J Reed, O F Webster, Emma Retan, H W Mayn, J C Shattuck, C McCormick Mrs C H Rippley, A T Stottenbur, T D Dewey, Est D Cramer, Chas Beebe, Mrs Phoebe Osburn, L A Baldwin Est, Joe Wilson, P A Bults, J G Tannehill, Jennie Laversck, George Clark, Join W Earl, Gus Friegel, T F McNamara, W A Hoeushell, Mrs F Trumbell, J C Potter, Wm Gassman, J C Calkins, J G Johnson, Peter A Smits, T M Euler, Wm Elliott, George Deveraux, Sarah Covert, J H Laverock, Colon Trust & Savings Bank of Flot, Mich, J S Sowersby, C O Odell, C V Tripp W H Howell, W S Cooper, T O Christian, Chas Lawrence, John H Shaw, W J Murchy, D Clenny, Mrs L Wattenburg, A D Sutterby, Frank Saffa, Union Transfer Co. J H Goetzen, B C Kebler, Edward Martin, A J Weich, A L Curry, Jacob Farver, Adelia Ball, W C Gunnison, Geo B McCaughna, C C Strable, Luther Ryan, Janc and F Trumble, R J Brown, Fred Edwards, Chas Shaw, Harriet Holman, H A Needham, Rolla Chase, O C House Est, Hartshora & Son. Mrs S Laubengayer, A D Sutterby, C and W S Beebe, M Shelton, W A Richardson Est, Arthur Soule, Chas Owen, C S Glibert, T J Tubbs, W G Hineman, JE Titus, W T Farring ton, Geo Fauth, E D and W D Mack, E H Thompson, Richard Ferris, R B Hyler, George Markham Chas & attic, Stafford & Co, Collins, John Abell, J B Sull van, H R Leower, C Rice, M and E Traver, V & Matoon, G W McClellan, Stella M Kerr, Fred Zimmerman, Albert Green, and to all other persons interested, take notice.

notice.

That the soll of the special assessment heretofore made by the board of assessors for the
purpose of defraying that part of the cost
which the council decided should be paid and
borne by special assessment for the sprinkling
District No. 3 is now on file in my office for
public inspection. Notice is also hereby given
that the Council and Board of Assessors will
meet at the Council room in said city on Monday the thirteenth day of December, 1909, at
1230 o'clock in the afternoon, to review said
assessment, at which time and place opportunity will be given all persons interested to be
heard.

eard.
Dated November 23rd, 1999.
ARTHUR H. DUMOND,
City Clerk.

#### Notice of Special Assessment No. 17 for the Sprinkling of District No. 4.

for the Sprinkling of District No. 4.

To M Parsons, George Pardee, O L and C S
Davis, E O and M C Dewey, J E Burgess, W C
Appleton, W A Priest, James Hurst, D Burhans, Blanch Day, Jennie L Mahanney, Adam
Deckert. Christian Renschler, G T and H E
Campbell, Carl Dewey, J N Peru, Emma Jerguson, S E Parkill, James Osburn, F H Gould,
F C Greenman, B S Stratton, J H Champlon
Est, Nellie Carpenter, Cong Church Society,
W D Murray, C L Sheppard, G G Pomroy,
Hughes & Son, A M Hume, Baptist Church Society, J D Crum. Anna Mosher, Wm Jopling,
Robert Gemmell, M E Church Society, Geo
Bedford, Ed Carr, John Dingman, Ira Kelley,
Gaylord Finch, M E Densmore, Mrs Mary
Southard, W L Parker, H H Daniels, W S
Finch, R N Thomas, Ernest Hayward, Mrs
Mary Parker, John Kelley, A L Nicho's, G L
Taylor, F Hoyer, Fred Osburn, Samuel Lam
from, Winona Waters and Lena Gregory,
Walter Harriman, O B Estey, Eudora Munson
Bryson, T O Christian, Ed Carr, M E Parsonfrom. Winona Waters and Lena Gregor. Walter Harriman, O B Estey, Eudora Munso Bryson, T O Christian, Ed Carr. M E Parson Bryson, T O Christian, Ed Carr. M E Parsonage. German Jobannes Parsonage. Samuel
Willis, Mrs E B Dewey, J H Cepas, A C Beck
with, J W Amspoker, Church of Christ Society.
W E McKenzie, A Beardsiey, F O E No. 851. H
B Peterson Est. German Lutheran Church. C
C Duff, Josiah Turner Est. Mrs Haney, Geo
Ferris. Martha Osborn, T E Stebuins, C S
Watson, Thos Castle, Minnie R Wells, G B
Hiller, Geo Cooper, F W Pearce, A Rundell,
Wm Payne, and to all other persons interested
take notice:

Wm Payne, and to all other persons interested take notice:

That the roll of the special assessment heretofore made by the board of assessors for the 
purpose of defraying that part of the cost 
which the council decided should be paid and 
borne by special assessment for the sprinkling 
District No. 4 is now on file in my effice for 
public inspection. Notice is also hereby given 
that the Council and Board of Assessors will 
meet at the Council room in said city on Monday the thirteenth day of December, 1908, at 
7:36 o'clock in the afternoon to review said 
assessment, at which time and place opportunity will be given all persons interested to be 
heard.

y will be give... eard. Dated November 23rd, 1989. ARTHUR H. DUMOND, City Clerk.

#### Notice of Special Assessment No. 18 for the Sprinkling of District No. 5.

for the Sprinkling of District No. 5.

To Mrs Frank Smith, W C Cadwallader, R D Smith, F G Berner, George Reineke, Fannie Kepp, Otto Sprague, J M Turbush, S S Miner. John Laverock, D Hook, Mrs Sarah Galloway, Mrs E Dingwall, Harriet E Goss, Mrs Kate Kemp, A H Northway, W J Blood, J O Parker, CJ Stuart, E O and M C Dewey, D J Gerow, Cong Church Society, Baxter L Brown, W H Biglow, Chas Loring, W W Palmer, J H Ockerman Mrs H Schley, S Vedder, Caleb Kribs, Odell Chapman, Clark Swayze, E D Mann Est, Caas Smith, Sarah J Morgan, Chas J Parker, Oscar Shadbolt, C A Vanderhoof, J M Hibbard, Jas Thorn, A D Chase, Sarah Shanafelt, Albert Sherman, Mrs Mary Salisbury, Chas Lemon, J B Parker, Albert West Est, E F Dudley, Mary Gould, J Maitison, E A Hicks, Thos Mitchell, Nell R Walsh, Martin T McMahon, A W Johnson, Louis Mueller, J Hassbarger Est, Melissa Westrich, Wm Giles, Anna Cumerford, J T Rinouse, Geo Haskel, J W Upham, A W Johnson, Louis Mueller, J Hassbarger Eat, Meilssa Westrich, Wm Giles, Anna Cumerford, J T Rinouse, Geo Haskel, J W Upham, W E Bullard, Fred Hartshorn, Ella Smith, L B Dalson, J Getman, Helen Beswick, H D Lyon, Mrs Minnie Evans, C S Allison, C B Collins, Anna Dudley, Ray Matthews, Mrs J B Hurst, T M Wiley, Louisa E Lyon, E and C Gilson, M A & C Carmody, J A McConvery, S A Evans, C Mathews, J C Osburn, Mrs C C Carpenter Hugh W Miller, Wm Broad, A E Hartshorn, Frank Comstock, Geo Perrigo, Mrs C F Brockway, B C Miller, Wm Barris, Henry Schmidt, A T Philips, Alice Tuttle, Wm Sturtevant, Harriett Goss, Geo Carpenter Est, M E, A Ward, B G Evans, Mary Sharpstine, S T Van-Dusen, W F Gallagher, Mrs J B Sullivan, N D Ayers, E Mead, D E Christian, Otto Sprague, David Dwight, H W Galusha, Martha A Brewer, A L Chandler, A G Osmer, A D Alliton, and to all other persons interested, take notice:

notice:
That the roll of the special assessment here to fore made by the board of assessors for the purpose of defraying that part of the cos which the council decided should be paid and the purpose of the special assessment for the sprinking that the council decided should be prinking the special assessment for the sprinking the sprinking that the special assessment for the sprinking the special assessment for the sprinking the special assessment for the sprinking the special assessment for the sprinking the special assessment for the special asset for the special assessment for the special asset for the which the council decided should be paid and borne by special assessment for the sprinkling District No. 5 is now on file in my office for public Inspection. Notice is also hereby given that the Council and Board of Assessors will meet at the Council room in said city on Mon-cay the thirteenth day of December, 1909, at 7:30 o'clock in the afternoon, to review said assessment, at which time and place opportun-ity will be given all persons interested to be heard. y will be given and part of the part of th

#### Notice of Proposed Street Closing. To All Whom it May Concern:

To All Whom it May Concern:

Take notice, that it is deemed advisable by the Common Council of the City of Owosso to vacate, discontinue and abolish that portion of Milwaukee swenue from Cedar street east to the west line of lot 6 of block 25 of A. L. & B. O Williams Addition to the City of Owosso, if extended south; Fletcher street from Cedar street east to Shiawassee street, and Howell street from the south line of the Grand Trunk Railroad Company's right of way south to the north line of Thomas street, and the aliey laid out in plat of block 2 of B. N. & S. A. Williams subdivision of outlot3 of A. L. & B. O. Williams subdivision of outlot3 of A. L. & B. O. Williams ddition to the City of Owosso, according to recorded plat thereof, and the Common Council of said city will meet at the Council room on Monday, the 3rd day of January. A. D., 1910, at 7:39 o'clock in the afternoon, to hear objections, if any, thereto, as provided in the resolution hereto annexed, adepted by the Common Council November 29th, 1900:

Resolved, That it is deemed advisable by the

the Common Council November 29th, 1900:

Resolved. That it is deemed advisable by the Common Council of the City of Owosso to vacate, discontinue and abolish that portion of Milwaukee avenue, Fletcher street and Howell street described as follows: Milwaukee avenue, from Cedar street east to the west line of lot 6 of block 20 of A. L. & B. O. Williams addition to the City of Owosso. If extended south; Fletcher street from Cedar street east to Shiawassee street, and Howell street from the south line of the Grand Trunk Railread Company's right of way south to the north line of block 2 of H. N. & S. A. Williams subdivision of outlot 3 of A. L. & B. O. Williams subdivision of outlot 3 of A. L. & B. O. Williams addition to the City of Owosso, according to recorded piat the City of Owosso, according to recorded plat thereof: that the Common Council of said city will meet at the Council Chamber on Monday the third day of January, A. D. 1910. at 7:30 o'clook p. m. to hear objections if any why said streets should not be vacated and closed. Be it further

It further

Resolved, That the City Clerk is hereby directed to give notice of said meeting with a a copy of this resolution by publishing said notice and resolution for not less than four weeks before the time appointed for such meeting in the Owojso Times, one of the newspaperso the City of Owojso, Objections, if any, to the proposed action of this Council is raceting and abolishing that portion of said streets above described may be filed with the City Clerk in writing.

ARTHUR H. DUMOND City Clerk

Itch cured in 30 minutes by Woolford's Sanitary Lotion. Never fails. Sold by W. B. Camburn, druggist. tf.

#### Notice of Special Assessment No. 20 for the Sprinkling of District No. 7.

for the Sprinkling of District No. 7.

To W R Green, Louisa Beach, G H Card, Mary Shaw, C F Graham, H Baidwin, Hattie Lewis, E Alton, Joseph Rundeh, W J McAfee, Vigoro Co. O and C Electric Co. J F Dean, August McCartney, J Harmon, C Marshall, F Simmington, Geo Wildermuth, C Marshall, Lizzie Whaler, G Balke, Guy Cole, F C Ingham, Joel Carey Est, J H Brandel, Mrs Aug Neltzke, Ella Frey, W T Fillmore, Gorden L, Natson, C M Cudney, J B Hinman, Mrs Mary Deckert, S F and F A Dean, Alonzo Packard, Franck Kenedy, Wm Lawrence, J S Grossen, Corunna M E Church Society, J M Goodell, W T Fillmore, Floyd Bloomer, Manford Burgess, D J Howard, Maud C Stanten, R W Marsh, Edward E Hacket, J P Ellifdge, J R Ketchum, M J Reed, F H Chapel, Mary Cramer Est, H A Nable, James Gray, Jr. James Gray, Sr. Est, J Frieseke, C Killian, Elizabeth Schneider, Fred Tick, G Fetter Est, C G Eaton, Thos Watsyn, Arthur Thompson, Wm Conas, Reliance Motor Truck Co, and to all other persons interested, take notice:

That the roll of the special assessment heretofore made by the board of assessors for the purpose of defraying that part of the cost which the council decided should be paid and borne by special assessment for the sprinkling District No? 1s now on file in my office for public inspection. Notice is also hereby g ven that the Council and Board of Assessors will meet at the Council room in said city on Monday the thirteenth day of December, 1909, at 7:50 o'clock in the afternoon, to review said assessment, at which time and place opportunity will be given all persons interested to be heard.

Dated November 23rd, 1909.

pated November 23rd, 1909, ARTHUR H. DUMOND, City Clerk,

Notice of Special Assessment No. 19 for the Sprinkling of District No. 6.

Notice of Special Assessment No. 19
for the Sprinkling of District No. 6.17
To H B Stockwell, J Castle, Wm Beresford, W S Jones Est, Grant Worth, J J Stever, P S Willson, W D Rowley, A Johnson, Albert Darling, Ada S Lusk, M Halsey, George Kelly, Jessie Darling, J P and E E Darling, Frank Forester, F H Everitz, William Knaop, L R Koyce, Andrew Geck, T C Smith Est, E P Gilbert, H Wright, Gu S Kerchet, Chas Rubekam, A E Rose, W Pierson, E L Carr, Chas B Galloway, A T Wright, Gus Kerchet, Mrs Frank Smith, Mrs E Diogwall, Geo T Priest, C G Baker, L S Goodale, S W Frantz, Gus Wildermuth, Fred Woodard, G W Livinston, Albert Palmer, Geo, Munroa, J Curwood, C E Rigley, W A Woodard Ida A Davis, F J Woodard, Emma R Woodard, A Putterille, Ed Conant, Eliza M Hubble, Laura M Wise Est, C L Parris, Carrie Cook, W A Jewitt, Geo S Wood, H B Kingsley, E J Stever, J B Parker, Martha A Brewer, R P Higlow, Owasso Union School Dist, Warren Pierpont, A D Whipple, G W Sackrider, B Colby, K J Tick, D H Lamb, H B Sturtevant, A M Bently, C S Williams Est, Albert Todd, Wm Killpatrie, B S Sutherland, Charles Galt, John Goodwin, Carlos Hoppy, A id Wallace, F M Whittice, H C Mair, F C Hepson, F C Smith Est, E H Odell, E C Filekinger, D E Miller, W H Cady, Chas Harnack, B i Howe, J Lytle, Wm Ross, James Oliver Carcood, J W Van Valkeoburg, M H Knapp, Fred and L Smith, and to all other persons interested, take notice:

That the roll of the special assessment here-tofore made by the board of assessors for the purpose of defraving that part of the cost which the council and Board of Assessors will meet at the Council and Board of Assessors will meet at the Council and Board of Assessors will meet at the Council and Board of Assessors will meet at the Council and Board of Assessors will meet at the Council and Board of Passessors will meet at the Council and Board of Passessors will meet at the Council and Board of Assessors will meet at the Council and Board of Passessors will meet at the Council and Board of Passessors will meet at the Council an

### Order of Publication-Non-Resident Defendant.

STATE OF MICHIGAN, -In the Circuit Court for the County of Shiawasee-In Chancery. Mary Fischer, Complainant,

John Fischer, Defendant.

John Fischer, Defendant.

Suit pending in the Circuit Court for the County of Shiawassee in chancery, at Corunna on the 15th day of November A. D. 1609.

In this cause it appearing from amdavit on file, that the defendant, John Fischer, is not a resident of this state, but resides at some place in the United States of America, on motion of Kilpatrick & Pierpont, complainant's solicitors, it is ordered that the said defendant, John Fischer, cause his appearance to be entered herein, within five months from the date of this order, and in case of his appearance that he cause his abswer to the complainant's bill of complaint to be filed, and a copy thereof to be served on said complainant's solicitors, within fifteen days after service on him of a copy of said bill, and notice of this order; and that in default thereof, said bill be taken as confessed by the said non-resident defendant.

And it is further ordered, that within twenty days the said complainant cause a notice of this order; and complainant cause a notice of this order to be published in The Owosso. days the said complainant cause a notice of this order to be published in Tag Owosso Times, a newspaper printed, published and circulating in said county, and that such publication be continued therein at least once in each week, for six weeks in succession, or that she cause a copy of this order to be personally served on said non resident defendant, at least twenty days before the time above prescribed for his appearance.

SELDEN S. MINER, Circuit Judge,

KILPATRICK & PIERPONT.

## Order of Publication.

State of Michigan, County of Shlawassee, ss. At a session of the Probate Court for said County held at the Probate office, in the city of Coruna on Saturday, the 4th day of December in the year one thousand nine hundred and also

December in the year one abused of Probate, ared and nine.

Present, Matthew Bush, Judge of Probate, In the matter of the estate of Bernice J. Kohlmeyer, a minor, on reading and filing the petition of William Kohlmeyer, as guardian, praying for a license to sell real estate belonging to said misor at private sale for the purpose of investment.

pose of investment.

It is Ordered, That the 3rd day of January, next, at ten o'clock in the forenoon, at said Probate office, be assigned for hearing said

Probate classes, be an expected. That a copy of this order be published three successive weeks previous to said day of hearing, in The Owesso Times a newspaper printed and circulating in said County of Shiawassee.

MATTHEW BUSH.

Judge of Probate.

By FLORENCE LINDSEY. Probate Register.

## Commissioners' Notice.

In the matter of the estate of Charles S. Williams, deceased.

We the undersigned, having been appointed by the Hon. Matthew Bush. Judge of Probate in and for the County of Shiewasses. State of Michigan. Commissioners to receive, examine and adjust all claims and demands of all persons against said estate, do hereby give notice, that we will meet at the office of William M. Kilpatrick in the City of Owosso, in said County, on Monday, the 7th day of February, A. D.. 1910, and on Monday, the 11th day of April, A. D., 1910, at ten o'clock in the forenoon of each of said days, for the purpose of receiving and adjusting all claims against said estate, and that four months from the 4th day of December, A. D., 1909.

William M. KILPATRICK, EDMUND O. DEWEY.

Commissioners. In the matter of the estate of Charles S

## Commissioners' Notice

In the matter of the estate of Octavia Swineford, deceased.
We, the undersigned, having been appointed by the Hon. Matthew Bush. Judge of Probate in and for the County of Shiawassee, State of Michigan, Commissioners to receive, examine and adjust all claims and demands of all persons against said estate, do hereby give notice that we will meet at the office of Albert I. Chandler in the City of Owosso, in said County, on Monday, the Sist day of January A. D. 1910, and on Thursday, the Sist day of March, A. D. 1910, at ten o'clock in the forenoon of each of said days, for the purpose of receiving and adjusting all claims against said estate, and that four months from the 39th day of November A. D. 1609 are allowed to creditors to present their claims to said Commissioners for adjustment and allowance.

and allowance.
Dated the 3th day of November. A. D. 1909.
ALBERT L. CHANDLER,
WARREN PIRPONT.

# Take The Times

We are trying to make THE TIMES reflect in Live Crisp News all the Happenings of Interest of Shiawassee County.

Our Policy is

## **BOOST** For Owosso and Shiawassee County

Take a hint, do your own mixing. Rough on Rats, being all poison, one 15c box will spread or make 50 to 100 ittle cakes that will kill 5000 or more rats and mice. It's the unbeatable exterminator. Don't die in the house. Beware of imitations, substitutes and catch-penny, ready-for-use devices.

All the Time.

Council Proceedings. Council Room, City of Owesse

December 6th, 1909.

Regular meeting of the Council, Mayor Wal-lace D. Burke presiding.
Aldermen present at roll call: Sturtevans, Clark, Brandel, Palmer, Conant, Washbura, Later: Wren, Browa, Perrigo. Absent: Me-

Ald. Brandel presented the fo'lowing petition which was on motion referred to the street lighting committee: We, the taxpayers of the City of Owesso. petition your Honorable Body to cause a light to be placed at the corner of Stewart and Washington streets and we will ever pray. Signed. Mrs. P. Hughes and five others.

Ald Conant presented the claims and ac-counts as noted below and on motion same were referred to the committee on claims and ac-counts.

Ald Washburn presented the report of the street commissioner for the week ending December 4th and on motion same was receiv-ed and filed. Ald, Brown presented the report of the jus-

tice of the peace for the month of November, showing \$49.65 received in criminal cases and \$40.00 in civil cases, and on motion same was received and flied.

Ald. Washburn presented the following report which was on motion adopted, ayes 9, nays, 0: REPORT OF COMMITTEE ON CLAIMS AND

ACCOUNTS Council Room, City of Owosso.
Dec. 6th, 1909

To the Honorable Mayor and Council: Your committee to whom was referred the several claims and accounts would respectfully report favorably on the following and ask the unanimous consent of this council that said claims be allowed and the City Clerk instructed to draw orders for the same.

FROM CONTINGENT FUND Times Printing Co. \$14: Owosso Gas Light Co. \$7.59: Evening Argus, \$5.18: L A Potter, \$ .45: Wintield Co. \$3.29: Sherwood & Gabriel, \$ .15: Owosso Paint & Walipapar Co. \$2.50.

FROM POLICE DEPT. FUND Bert Hodges, \$15; Geo Denyes, \$14; W Pat Patterson, \$14; F A Brown, \$14; S G Burbank, \$ ,25; G Livingston, \$ .50. FROM GENERAL BIGHWAY FUND

F E Suttin, 8, 80; D Speck \$10.50; J Herring ton, \$10.50; J Helt, \$10.50; W Scott, \$12; Geo PROM FIRE DEPARTMENT FUND

C H Barrett Co. \$1.75; W H Vanderveer \$2.60; J C Sowersby, \$1.50; H Thompson, \$2 Mrs. Wartenberg, \$7. FROM WATER WORKS PUND

H Beswick, \$4.90; C M Miller, \$2.50; A Steg-gall, \$6.70; Owosso Boller Works, \$10; J Brooks & Son, \$3.45; Selden S. Miner, \$37.50; O Hen-derson, \$5.40; L P Butler, \$5.40.

FROM FIRST DISTRICT HIGHWAY FUND Beckwith est, \$1.20; Geo. Freet, \$9; J Col. ard, \$3.60.

PROM SECOND DISTRICT HIGHWAY FUND Beckwith est, \$ .40: Geo Freet, \$1: J Collard,

PROM THIRD DISTRICT HIGHWAY FUND

R Smith, \$1.20; J Sproale, \$1. FROM POURTH DISTRICT BIGHWAY PUND Beckwith est, \$12; Benkelman & Mulhail Co \$40.95; W Burton, \$5.25; E Koch, \$5.90; W Bur ton, \$5.75; Geo Freet, \$6.20; J Collard, \$11.60; O Bailey, \$19.80; R Rourke, \$7.20; R Smith, \$6; E Hayes, \$10.80.

PROM PIFTH DISTRICT HIGHWAY FUND Beckwith est. \$18 10; J Collard, \$3.40; Gea Freet, \$3.60; O Bailey, \$14.40; R Rourke, \$5.40; R Smith. \$7.90; G Shaw, \$16; G Marshall, \$24; M Lohrer, \$5.75.

#### FROM GENERAL SEWER PUND O Henderson, \$5.60; L P Butler, \$5.60,

Ald. Brown reported that some bridges are needed where the streets in Terbush Fark cross Gute Drain and moved that the street commissioner be instructed to furnish the necessary 24 inch tile. On motion of Ald. Brandel the subject was laid on the table for one week and the city engineer and city attorney instructed to investigate the subject and report in one week.

Ald, Conant presented the bill of T. Watson for \$4.09 for repairs to Hose House No. 2 and on motion of Ald. Washburn same was laid on the table.

Ald. Sturtevant stated that the city surveror reports that it is desirable that four extra catch basins be put in the North Owosso Trunk Sewer at the intersection of Pine, Adams, Water and Ball streets, the cost of which will be \$27.00 cach and moved that the city surveyor be instructed to order them placed, which prevailed, ayes 8, pays Brown Ald. Sturtevant moved that the Immanuel Baptist church be given the use of Hose House No. 2 free of rent until April ist, 1910, which

Ald. Perrigo presented the following com-munication and moved that the nominations be confirmed, which prevailed:

Owosso, Dec. 6th, 1909, To the Honorable Mayor and Common Council of the City of Owosso. I respectfully submit the following names as members of the Fire Department:

Paid men-Claude Craig, Capt. and electri-cian; Otto Schroder; Walter Boehm; Geo Coe. Call men-William Ress, William King, J. D. Priest, Robert Crane.

Respectfully submitted,

JAMES BROWN,

Chief F. D. Ald. Sturtevant moved that the review of special assessment rolls set for hearing this date be adjourned until December 15th, which

City Surveyor Joslin reported that former city surveyor, H. C. Main, is in possession of records that should be owned by the city and the Mayor instructed Mr. Joslin to learn what Mr. Main wants for them and report to the Connell.

Adjourned. W. D. BURKE

ARTHUR B. DUMOND, City Clerk,